



Patent  
Attorney's Docket No. 021565-110

8-1-02  
attachment

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Yong-Ling RUAN et al

Application No.: 10/003,405

Filed: December 6, 2001

For: MODIFICATION OF SUCROSE  
SYNTHASE GENE EXPRESSION IN  
PLANT TISSUE AND USES  
THEREFOR

)  
)  
) Group Art Unit: 1638

)  
) Examiner: Unassigned

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INFORMATION DISCLOSURE STATEMENT  
TRANSMITTAL LETTER

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Enclosed is an Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A certification under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (126) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge \$\_\_\_\_\_ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of \$\_\_\_\_\_ is enclosed for the fee due.


The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By:

  
Malcolm K. McGowan, Ph.D.  
Registration No. 39,300

Date:

12 April 2002



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**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

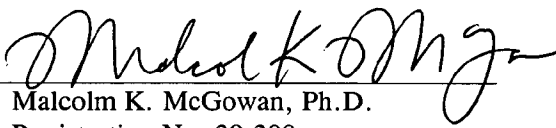
In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed. A copy of the International Search Report is also enclosed.

The documents are being submitted within 3 months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later, therefore no fee or statement is required under 37 C.F.R. § 1.97(b).

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

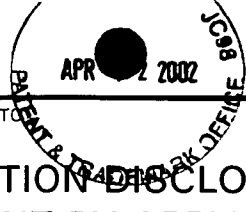
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BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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Date: 12 April 2002



Substitute for form 1449A/PTO

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STATEMENT BY APPLICANTATTORNEY'S DKT NO.  
021565-110APPLICATION NO.  
10/003,405APPLICANT  
Ruan et alFILING DATE  
Dec. 6, 2001GROUP  
1638

## U.S. PATENT DOCUMENTS

Examiner Initials	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication (MM-DD-YYYY)
	Number	Kind Code (if known)		

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## FOREIGN PATENT DOCUMENTS

Examiner Initials	Foreign Patent Document		Country	Date of Publication (MM-DD-YYYY)	Translation	
	Number	Kind Code (if known)			Yes	no

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
/RK/	Sumant Chengappa et al, "Transgenic Tomato Plants With Decreased Sucrose Synthase are Unaltered in Starch and Sugar Accumulation in the Fruit", <i>Plant Molecular Biology</i> vol. 40, pp. 213-221 (1999)		
/RK/	Yong-Ling Ruan et al., "The Differential Expression of Sucrose Synthase in Relation to Diverse Patterns of Carbon Partitioning in Cotton Seed", <i>Plant Physiol.</i> vol. 115, pp. 375-385 (1997)		
/RK/	Yong-Ling Ruan et al., "A Fiberless Seed Mutation in Cotton is Associated with Lack of Fiber Cell Initiation in Ovule Epidermis and Alterations in Sucrose Synthase-Expression and Carbon Partitioning in Developing Seeds", <i>Plant Physiol.</i> , vol. 118, pp. 399-406 (1998)		
/RK/	Marc-Andre D'Acoust et al., "Antisense Inhibition of Tomato Fruit Sucrose Synthase Decreases Fruit Setting and the Sucrose Unloading Capacity of Young Fruit", <i>The Plant Cell</i> , vol. 11, pp. 2407-2418 (1999)		
/RK/	Candace H. Haigler et al., "Carbon Partitioning to Cellulose Synthesis" <i>Plant Molecular Biology</i> , vol. 47, pp. 29-51 (2001)		
/RK/	Yong-Ling Ruan et al., "Pathway and Control of Sucrose Import Into Initiating Cotton Fibre Cells", <i>Aust. J. Plant Physiol.</i> vol. 27, pp. 297-800 (2000)		
/RK/	Yoshinori Shimizu et al, "Changes in Levels of mRNAs for Cell Wall-Related Enzyme sin Growing Cotton Fiber Cells", <i>Plant Cell Physiol.</i> vol. 38(3), pp. 375-378 (1997)		
Examiner Signature	/Russell Kallis/	Date Considered	09/30/2008

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, D.C. 20231.